

24-7-10/28

flow between the trays of a separator.
(v. "Osnovy tekhnicheskoy radiotekhniki" (Fundamentals of Technical Radioelectronics), Vol. 1, p. 100).

"Voprosy radiotekhniki i radioelektroniki Tekhnicheskikh Nauk"
Vol. 1, No. 1, 1956, A. S. V. (Radioelectronics and Radio Physics Sciences Section),
Academy of Sciences of the U.S.S.R.)

At present there are really super-centrifuges with
centrifugal forces up to tens of thousands r.p.m.
In these machines the process of separation is terminated near
the bottom of the separator and from there onwards the content of
radioactive material in the effluent range is insignificant. According
to the theory of sedimentation, described in the book of
S. I. Vinogradov and Shkrebnev, D.Ye. (2), in which the
separation process is considered, the slot thickness at a
certain point should not influence the separation process.
This statement is in contradiction with practical experience
of the authors. Therefore, the author considered it necessary to study
the effect of the slot width on the flow between the separator trays.
The resulting system of equations is studied and
the approximate solution of these equations, considering a
liquid as a medium having its incompressible uniform liquid
velocity and with perfectly separated coaxial cores located very

AUTHOR: Gol'din, Ye. M. 337, 64-58-4-13/20

TITLE: On the Theory of Purification Centrifuges With Continuous Feed (K teorii osvetlyayushchikh tsentrifug s nepreryvnym pitaniem)

PERIODICAL: Khimicheskaya promyshlennost', 1958, Nr 4, pp. 247-249 (USSR)

ABSTRACT: In the continuous operation of the above mentioned centrifuges a liquid flow along the inner axis of the rotor is formed which is of importance for technological calculations. Since this problem has hitherto not been dealt with in publications the present paper investigates the liquid flow by means of hydrodynamic equations assuming a laminar flow. A cylindrical centrifuge with continuous liquid feed is investigated and the corresponding mathematical calculations are carried out. The use of the obtained final equation permits to precise the theoretical capacity of the mentioned centrifuge as compared to the usual calculations. The calculation is based on the condition that with a given operation length of the rotor the smallest particles

Card 1/2

On the Theory of Irrigation Centrifuges With
Continuous Feed

of the separated solid phase which move away from the free surface of the liquid in radial direction reach the wall of the rotor. The smaller the length of the way which the particles have to take in the axial direction the higher is the permitted velocity of the axial current flow and thus also the theoretical limit capacity q . The radial velocity of the solid particles can be determined from the conditions of equilibrium of the centrifugal force, the hydrostatic pressure and the drag according to Stokes. There are 1 figure, 1 table, and 5 references which are Soviet.

1. Centrifuges--Theory 2. Fluid flow--Mathematical analysis

Card 2/2

GOL'DIN, Ye.M.

Hydrodynamic stream of viscous fluid in a partially filled
cylindrical centrifuge. Trudy LTIKHP 15:123-131 '58.
(MIRA 13:4)

1. Predstavlena Kafedroy protsessov i apparatorov Leningradskogo
tekhnologicheskogo instituta kholodil'noy promyshlennosti.
(Centrifugation) (Fluid dynamics)

GOL'DIN, Ye.M.

Motion of a viscous fluid in plate separators with radial fins.
Trudy LTIKHP 15:132-140 '58. (MIR 13:4)

1. Predstavlena Kafedroy protsessov i apparatov Leningradskogo
tekhnologicheskogo instituta kholodil'noy promyshlennosti.
(Fluid dynamics)

GOL'DIN, Ye.M.

Criterional values characteristic of the hydrodynamics of the
flow between the plates of a separator. Izv.vys.ucheb.zav.;
pishch.tekh. no.1:104-111 '60. (MIRA 13:6)

1. Kafedra protsessov i apparatov Leningradskogo tekhnologicheskogo
instituta khlooil'noy promyshlennosti.
(Separators(Machines) (Hydrodynamics))

GOL'DIN, Ye.M.

Kinematics of vibrating centrifugals. Izv.vys. ucheb.zav.;pishch.
tekh. no.5:139-148 '60. (MIRA 13:12)

1. Leningradskiy tekhnologicheskiy institut kholodil'noy promy-
shlennosti. Kafedra protsessov i apparatov.
(Centrifuges)

GOLDIN, YE. M.

Soc Tech Sci - (this) "Foundations of the dynamic theory of centrifugal processes. (Liquid plate separators, filtering and settling centrifuges)." Moscow, 1961. 55 pp with diagrams; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Inst of Chemical Machine-Building); number of copies not given; price not given; list of author's works on p 53 (14 entries); (KL, 6-61 sup, 211)

L 29857-66 EWT(1)/EWP(m)/EWT(m) NW/JAJ

ACC NR: AP6013219

SOURCE CODE: UR/0421/66/000/002/0152/0155

AUTHOR: Gol'din, Ye. M. (Leningrad)

YB
B

ORG: none

TITLE: Stability of flow between the plates of a separator

SOURCE: AN SSSR. Izvestiya. Mekhanika zhidkosti i gaza, no. 2, 1966,
152-155

TOPIC TAGS: fluid flow, flow separation

ABSTRACT: Normal operation of a separator requires laminar flow conditions. The present article examines the hydrodynamic stability of interplate flow and proposes specific criteria which are applicable industrially and which have physical meaning. For treatment of the basic flow, the author starts with the Navier-Stokes equation with appropriate boundary conditions. For the case of disturbed flow, the equations are formulated in a form analogous to that for the first case, taking account of axial symmetry, steady state movement, and an additional velocity component perpendicular to the plate. Final result of the calculations is a criterion expressing the ratio of the peripheral velocity of the liquid relative to the plate to the transport

Card 1/2

L 29857-66

ACC NR: AP6013219

velocity of the plates. Orig. art. has: 28 formulas and 2 figures.

SUB CODE: 20/ SUBM DATE: 27Sep65/ ORIG REF: 002/ OTH REF: 001

Card 2/2

ACC NR: AP7001337

SOURCE CODE: UR/0336/66/c04/011/c441/c445

AUTHOR: Gol'din, Yu. A.; Dmitriyev, V. G.; Tarasov, V. K.; Shkunov, N. V.

ORG: none

TITLE: Observation of generation at the sum frequency in electro-optic nonlinear crystals

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniya, v. 4, no. 11, 1966, 441-445

TOPIC TAGS: laser r and d, ruby laser, neodymium glass, emission spectrum, electro-optic effect

ABSTRACT: The authors present the results of experiments aimed at observing the generation of the sum frequency of two Q-switched lasers, ruby (0.6943μ) and Nd³⁺ glass (1.058μ), which falls in the blue-violet band (0.4192μ). The frequencies were added in a nonlinear electro-optic KDP crystal cut in the synchronism direction. The main difficulty of synchronizing the laser spikes within ~ 5 nsec was circumvented by using a cavity with confocal geometry (Fig. 1). The parameters of the ruby and neodymium-glass lasers and of the output radiation were: laser pump power 800 Joule each, pulse duration 40, 40, and 10 nsec, output energy 0.1, 0.4, and 10^{-3} Joule, power density 2.5, 10, and 0.1 mw/cm². The radiation transformation coefficient at the sum frequency was thus $\sim 1\%$. The obtained emission spectrum at the sum frequency is presented and is compared with that of a mercury lamp. The feasibility of real-

Card 1/2

USSR/General Problems of Pathology - Comparative Oncology

U-1

Abs Jour : Ref Zhur - Bicl., No. 18; 1958, 84955

Author : Gol'din, Yu. A.

Inst : no institute is given

Title : Multiple Primary Malignant Tumors

Orig Pub : In the collection: Materialy 20-y nauchno-konferentsii po probleme profilaktiki i lecheniya zlozhestv. novoobrazovaniy, Ryazan', 1956, 72-81

Abstract : Of 4028 patients with malignant tumors, 13 (0.3 percent) were found to have multiple primary malignant tumors. In two of these, it was questionable whether all tumors were primary. Short histories are given of eleven patients with multiple primary tumors, of whom ten patients had various combinations of carcinoma and only one had a carcinoma combined with a sarcoma. Involvement of the skin of the face was seen in two patients, of the skin of the face and lower lip in two, and of organs situated in immediate functional contiguity (such as both breasts, or a breast and the uterus) in two,

Card 1/2

GOL'DIN, L.A.; KUDRIN, A.N.

Effect of the addition of morphine on the awakening from
morphine-ether anesthesia. Ekspres. Anir. i anest., 8 no.4:81-83
(MIRA 17:5)
Jl-Ag '63.

1. Kafedra farmakologii (zavodlyiskiy prof'. A.N. Kudrin) i
kafedra obshchey anestezii (zavodlyiskiy - doktor med. nauk
V.I. Astrakhan) Riazanskogo gosudarstvennogo instituta imeni I.P.
Pavlova.

L 55929-65 EWT(1)/EWT(m)/EPF(c)/EWP(i)/ECP(t)/EIP(h) PI-4 IJP(c)
ID/MW/66
ACCESSION NR: AP5016630 UR/0168/65/000/003/0084/0088
535.44 3/2
3/1
3

AUTHOR: Gol'din, Yu. A.; Marchenko, V. F.

TITLE: Generation of the second harmonic of light in a thin crystal layer

SOURCE: Moscow. Universitet. Vestnik. Seriya 3, Fizika, astronomiya, no. 3,
1965, 84-88

TOPIC TAGS: nonlinear optics, harmonic generation, second harmonic, nonlinear
effect, frequency converter

ABSTRACT: The authors suggest a system for generating the second harmonic from
the fundamental which consists of a thin layer of nonlinear dielectric embedded in
another dielectric medium. The fundamental undergoes a series of complete inter-
nal reflections in the layer, and the harmonics generated with each reflection are
superimposed. The conditions under which the fundamental will undergo complete in-
ternal reflection, while the harmonics fall on the boundary at Brewster's angle,
are stated for the three axial orientations of the optical axis of a uniaxial crys-
tal layer. The intensity of the harmonic thus developed is found by the summation

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L 55999-65

ACCESSION NR: AP5016630

method used in the theory of multibeam interferometers. Semiconductors which might be used in such a system are suggested, and the possibility of employing CdS embedded in CaCO₃ to fulfill the requisite conditions is considered in detail. The described system can be used as a low-power frequency converter. (orig. art. has 2 figures and 6 formulas. [YK])

ASSOCIATION: Kafedra radiotekhniki Moskovskogo gosudarstvennogo universiteta
(Department of Radio Technology, Moscow State University)

SUBMITTED: 30Aug64

ENCL: 00

SUB CODE: OP SS

NO REF Sov: 002

OTHER: 005

ATT PLESS: 4034

Card 2/2

ZIN'KOVA, N.L.; GOL'DINA, A.S.

Treating lumbosacral peripheral nerves with bee venom. Vrach.
delo supplement '57:79-80 (MIRA 11:3)

1. Nevrologicheskoye otdeleniye Pervov Simferonol'skoy gorodskoy
bol'nitsy (nauchnyy rukovoditel'-prof. N.N.Pyatritskiy)
(NERVOUS SYSTEM--DISEASES) (VENOM--THERAPEUTIC USE)

Goldman, G.

Soap rubber pastes and self-vulcanizing cements with
a base of synthetic rubber. V. A. Masovskii and B. G.
Goldman. Akademiia Nauk SSSR, No. 20, 1940. Satisfactory results were obtained with a
self-vulcanizing cement prep'd. from a 13.15% soln. of
synthetic rubber in gasoline mixed with 3% S, 0.5% Zn
butylxanthate, 2% *p*-toluidine, 0.5% ZnO and 5% MgO
(on the wt. of synthetic rubber). This cement was used
together with a strip composed of 100 parts of cement,
2% S, 5% ZnO, 3% Zn butylxanthate, 1% *p*-toluidine, 10% kaolin,
2% chalk and 5% pine tar. The above substances were
found to be suitable cements for leather as well as rubber
shoe soles. V. A. Bochtingk

AMERICAN METALLURGICAL LITERATURE CLASSIFICATION

GOL'DINA, B.G.

Certain compensatory changes in the lungs. Ark. pat., Moskva 14 no.
2:44-53 Mar-Apr 1952. (CLML 22:5)

1. Of the Institute of Normal and Pathological Morphology of the
Academy of Medical Sciences USSR and of the Department of Pathological
Anatomy of First Moscow Order of Lenin Medical Institute (Head --
Academician A. I. Abrikosov.

GOL'DINA, B.G.; SHAPIRO, I.M.

"Studies in forensic histology." M.I.Kas'ianov. Reviewed by
B.G.Gol'dina, I.M.Shapiro. Arkh.pat. 17 no.3:73-75 Jl-S
'55. (MLRA 8:12)
(HISTOLOGY, PATHOLOGICAL) (MEDICAL JURISPRUDENCE)
(KAS'IANOV, M.I.)

VELISHEVA, L.S.; GOL'DINA, B.G.

Analysis of cases of natural death as shown by data from medico-legal morgues. Sud.-med.ekspert. 2 no.4:32-35 O-D '59.

(MIRA 13:5)

1. Byuro Moskovskoy gorodskoy sudebnomeditsinskoy ekspertizy.
(DEATH--CAUSES)

GOL'DINA, B.G.; ODINA, K.M.

Waterhouse-Friderichsen's syndrome in the sudden death of children.
Sud.-med. ekspert. 3 no.3:32-35 Jl-S '60. (MIRA 13:9)

1. Byuro sudebnomeditsinskoy ekspertizy (zav. L.S.Velisheva)
Moskovskogo gorodskogo otdela zdorovookhraneniya.
(COCCAL INFECTIONS) (DEATH—CAUSES)

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515710003-9

GARIN, N.D.; GOL'DINA, B.G.; ZHELOKHOVSEVA, N.N.; SIEGATULLIN, A.Kh.

Use of capron mesh for correcting soft tissue defects. Ekzper.
khir. 5 no.4:9-13 Je-Ag '60. (MIRA 13:12)
(NYLON) (ABDOMEN--SURGERY)
(DIAPHRAGM--SURGERY)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515710003-9"

GOL'DINA, B.G.; GUTKIN, V.S.; KFYUCHKOVA, G.S.; SAVCHENKO, Ye.D.

Pathological anatomical data on the use of suturing apparatus from
the Research Institute for Experimental Surgical Apparatus and
Instruments in the clinic. Trudy NIIEKHAI no.5:55-64 '61.

1. Nauchno-issledovatel'skiy institut eksperimental'noy khirurgi-
cheskoy apparatury i instrumentov.

(SUTURES) (SURGERY, OPERATIVE)

(MFA 15:8)

ANAN'YEV, M.G.; VAYNRIK, Ye.A.; CORBOVITSKIY, Ye.B.; KOLOV, Yu.S.;
KASHCHEVSKAYA, L.A.; LEVITSKAYA, L.A.; GOL'DINA, B.G.; SUPKO,
N.S.; IVANOVA, L.N.; UNIK, V.I.

"Artificial kidney" apparatus built by the Research Institute for
Experimental Surgical Apparatus and Instruments and the results of
using it in an experiment. Trudy NIIEKHAI no.5:168-173 '61.
(MIRA 15:8)

1. Nauchno-issledovatel'skiy institut eksperimental'noy khirurgi-
cheskoy apparatury i instrumentov.
(ARTIFICIAL KIDNEY)

LOGOMOLOVA, O.R.; GEL'DINA, B.G.; KRYUCHKOVA, G.S.; SAVCENKO, Ye.D. (Moskva)

Some problems in the morphology of mechanical nature. Arkh.pat.
no.10:58-64 '61. (MIRA 14:10)

1. Iz laboratorii patomorfologii Nauchno-issledovatel'skogo insti-
tuta eksperimental'noy khirurgicheskoy apparatury i instrumentov
(dir. M.G. Ananiyev). (SUTURES)

OBERFEL'D, M.F.; FEDOROV, S.F.; GOL'DINA, E.G.

Tendon suture with alcohol-quinone treated cotton. (Experiments)
(MD-1 14:1.)
study). Khirurgiia no.11:104-109 '61.

1. Iz kliniki travmatologii i ortopedii (zav. - prof. N.N.
Chernovskiy) II Moskovskogo gosudarstvennogo meditsinskogo
instituta imeni N.I. Pirogova i Nauchno-issledovatel'skogo
instituta eksperimental'noy khirurgicheskoy apparatury i instrumentov
(dir. M.G. Aran'yev) Ministerstva zdravookhraneniya SSSR.
(CATGUT Sutures) (TENDON'S...SURGERY)

GOL'DINA, B. G.; GORBOVITSKIY, Ye. B. (Mos'va)

Some morphological changes arising in dogs following the use of
the "artificial kidney" apparatus. Arkh. pat. no. 2:70-77 '62.
(MIRA 15:2)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy
khirurgicheskoy apparatury i instrumentov (dir. M. G. Anan'yev)
Ministerstva zdravookhraneniya SSSR.

(KIDNEYS, ARTIFICIAL) (RENAL INSUFFICIENCY)

ANAN'YEV, M.G.; GORBOVITSKIY, Ye.B.; KOZLOV, Yu.G.; GOL'DINA, B.G.;
KASHCHEUSKAYA, L.A.; LEVITSKAYA, L.A.; IVANOVA, L.N.; SUPKO,
N.S.; TKACHENKO, A.S.; UNIK, V.I.

Study of and experience in the use of the Soviet artificial
kidney apparatus. Sov.med. 26 no.7:15-20 Jl '62. (MIRA 15:11)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy
khirurgicheskoy apparatury i instrumentov (dir. M.G.Anan'yev).
(KIDNEYS, ARTIFICIAL)

L 19790-65 AFRI/AMD

ACCESSION NR: AR4045764

S/0299/64/000/013/1016/M016

SOURCE: Ref. zh. Biologiya, Svodnyy tom, Abs. 13M101

AUTHOR: Gritsman, Yu. Ya.; Gol'dina, B. G.; Gureyeva, N. F.;
Eyngorn, A. G.

TITLE: Investigation of possible long-term kidney preservation (at
positive temperatures)

CITED SOURCE: Sb. 3 Vses. konferentsiya po peresadke tkanej i
organov, 1963. Yerevan, 1963, 123-124.

TOPIC TAGS: kidney, dog, preservation, autotransplantation,
transplantation, temperature

TRANSLATION: Autotransplantation of nonpreserved kidneys was
performed on the neck of one group of dogs. The kidney functioned in
5 of 9 experiments. With autotransplantation, dystrophic changes
appeared in the kidney which did not deprive the organ of its
functional capacity. In the second series of experiments kidneys
were preserved at +2, +4°C. Dystrophic epithelium changes which were

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L 19790-65
ACCESSION NR: AR4045764

apparently irreversible (in the main parts of the convoluted tubules) appeared in the kidney structure. In the third series autotransplantation of kidneys, preserved at low positive temperatures, was performed on 16 dogs. The transplanted kidney functioned for a short period in 7 dogs, for 4 days in 1 dog, and in 1 dog urine was excreted for 39 days and then, with removal of the intact kidney, the animal died. In all cases histological investigation disclosed the presence of changes in all parts of the nephron. The glomeruli and stroma of the kidney were damaged considerably less and sometimes not at all. Thus, the advisability of preserving kidneys under temperature conditions of +1 to 4°C is dubious, because changes develop in the kidney destroying its function.

SUB CODE: LS ENCL: 00

Card 2/2

GOL'DINA, B.G.; LIPOVETSKIY, G.S. (Moskva)

Reparative processes in prosthetic restoration of the bile
ducts. Arkh. pat. 25 no.5:62-67 '63. (MIRA 17:2)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'-
noy khirurgicheskoy apparatury i instrumentov Ministerstva
zdravookhraneniya SSSR (dir. M.G. Anan'yev).

LIP, MICHAE, M.D.; ALBARRAN, J. R.; BERNALDEA, L.R.; CALDNER, H., D.L.; CANNON,
A.L.; CHAPMAN, W.E.I.; COOK, D.M., M.D.

Intensive study of latent experimental hepatitis in mice.
Report No. 1. (See also paper dated Dec. 1964.)

1. Introduction and methods. (See also paper dated Dec. 1964.)

GORBOVITSKIY, Ye.B.; GOL'DINA, E.G.; UNIK, V.I.

Evaluation of the effectiveness of peritoneal dialysis. Biul.
eksp. biol. i med. 60 no.7:43-46 Jl '65. (MIFI A 12:8)

1. Meditsinskiy otdel Nauchno-issledovatel'skogo instituta
eksperimental'noy khirurgicheskoy apparatury i instrumentov
(dirkotor- M.G. Anan'yev), Moskva.

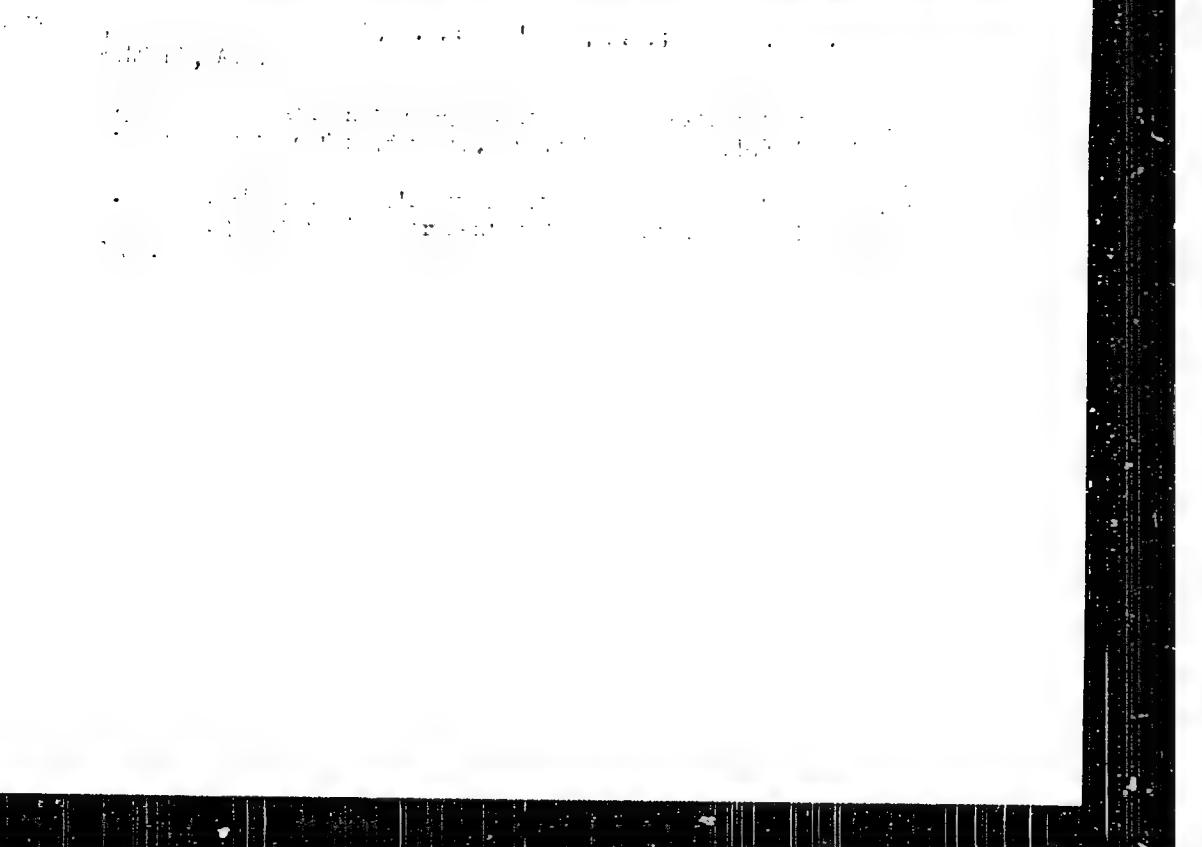
GOL'DINA, B.G.; KADIN, A.L.

Comparative evaluation of plastics in repairing defects of the
dura mater. Vop. neirokhir. no.1346-50-1-5. (Mifri TS-1).

1. Meditsinskiy otdel (zav. - prof. A.M. Gerasimov) Naukno-
issledovatel'skogo instituta eksperimental'noy i klinicheskoy
apparatury i instrumentov (direktor - N.N. Anan'yev)
vsego v tsen zdr-zachokhraneniya Mifri, Moskva.

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APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515710003-9"

L 10831-67

ACC NRG AR6034647 (A) SOURCE CODE: UR/0299/66/000/008/M017/M017 /S

AUTHOR: Gritsman, Yu. Ya.; Lipovitskiy, G. S.; Gol'dina, B. G.; Orlova, R. E.

TITLE: Experimental data on extremity grafting after preservation for 48 hr

SOURCE: Ref. zh. Biologiya, Part II, Ann. 3M89

REF SOURCE: Tr. zdrav. tekhn. med. in-ta, v. 42, 1965, 160-173

TOPIC TAGS: autotransplant, grafting, extremity, extremity grafting, amputation

ABSTRACT: A group of 10 mongrel dogs were observed at -2 and +4°C for 48 hr. before and after a major extremity operation. The dogs were under observation for 10 months. The postoperative recovery of these dogs was more difficult and osteomyelial changes were more severe than in dogs with extremities preserved for 24 hr after the amputation. (Translation of abstract)

SUB CODE: 36.

GOL'DINA, B.V.

A case of paroxysmal myoplegia. Sov.med. 21 no.2:184-185 Ag '57.
(MIRA 10:12)

1. Iz kliniki nervnykh bolezney Moskovskogo meditsinskogo stamotologicheskogo instituta (rukododitel' - prof. V.V.Mikheyev) i nervnogo otdeleniya gerodskoy klinicheskoy bol'ницы №.3 imeni A.A.Ostroumova (glavnnyy vrach L.V.Abaškina)

(MUSCLES, dis.

paralysis, paroxysmal (Rus))

(PARALYSIS, case reports,
paroxysmal myooplegia (Rus))

ZINOVKIN, G.S., otv. za vypusk; GOL'DINA, E.I., red.; GERASIMOVA,
Ye.S., tekhn.red.

[Standard work and time norms for loading and unloading of
railroad cars, motor vehicles, and work in warehouses]
Edinyye normy vyrabotki i vremenii na vagonnye, avtotransportnye
i skladskie pogruzochno-razgruzochnye raboty. Moskva, Gosplan-
izdat, 1960. 301 p.
(MIRA 14:2)

1. Moscow. Tsentral'noye byuro promyshlennyykh normativov po
trudu.

(Loading and unloading)

ZINOVKIN, G.S., otv. za vypusk; GOL'DINA, E.I., red.; GERASIMOVA, Ye.S.,
tekhn.red.

[Unified production and time standards for ship loading and
unloading operations in river harbors] Edinyye normy vyrabotki
i vremeni na sudovye pogruzochno-razgruzochnye raboty, vypolniaemye
v rechnykh portakh. Moskva, Gosplanizdat, 1960. 276 p.
(MIRA 14:4)

1. Moscow. Tsentral'noye byuro promyshlennyykh normativov po trudu.
(Harbors) (Loading and unloading--Standards)

ZINOVKIN, G.S., otv. za vypusk; GOL'DINA, E.I., red.; PONOMAREVA, A.A.,
tekhn.red.

[Unified production and time norms for ship loading and unloading
operations in sea harbors] Edinyye normy vyrabotki i normy vremeni
na sudovye pogruzochno-razgruzochnye raboty, vypolniaemye v morskikh
portakh. Moskva, Gosplanisdat, 1960. 381 p.

(MIRA 14:4)

1. Moscow. TSentral'noye byuro promyshlennyykh normativov po trudu.
(Harbors) (Loading and unloading--Standards)

MARKUS, G.A.; Prinimeli uchastiye: ZHIVOGLAZOVA, L.Ye.; NIKITINA, V.A.;
AKIMOVA, N.V.; GOL'DINA, F.M.; SMIKOVA, A.M.

New reagents based on products from the coal chemicals industry.
Koks i Khim. no.2:52-54 '63. (MIRA 16:2)

1. Fenol'nyy zavod (for Markus). 2. Ukrainskiy uglekhimicheskiy
institut (for all except Markus).
(Coke industry—By-products) (Chemical tests and reagents)

SUKHOVA, M.N.; GVOZDEVA, I.V.; MIKHAILOV, Yu.M.; TIKHOMIROV, V.C.; BOLOTOWA,
T.A.; KHOLODOVA, G.Z.; DANILOVSKAYA, Ye.M.; SOKOLOVSKAYA, N.P.; KOLYAGIN,
V.B.; KALINOVICH, V.K.; GORILOV, G.S.; SHCHERBINA, A.M.; BILALOV,
T.I.; VASILENKO, L.N.

Sensitivity to chlorophos, trichlorfonmetaphos, DDT, hexachloro-
cyclohexane and polychloro-nona in housefly populations fol-
lowing the use of these insecticides for several years. Zbir.
mikrobiol., epid. i imun. Lit no.9:7-14 Ag '65. (USSR 12:9)

1. Tsentral'nyy nauchno-issledovatel'skiy deinfektsionnyy in-
stitut, Moscow, Mytishchinskaya i Turkhentskaya gorodskiy sanitarno-
epidemiologicheskiye stantsii, Tashkentskaya i Minskaya gorodskiy
deinfektsionnyye stantsii i Brestskaya gorodskiy i Brestskaya
oblastnaya sanitarno-epidemiologicheskiye stantsii.

L 23405-66 EMT(1)/T RQ/JK
ACC NR: AP6014013

SOURCE CODE: UR/0015/65/000/008/0007/0014

AUTHOR: Sutkova, M. M.; Gvozdova, I. V.; Misnik, Yu. N.; Peterovskaya, T. F.;
Solotova, T. A.; Kholodova, G. R.; Baranetska, A. I.; ~~Yelash, N. N.~~; Solntseva, G. S.;
Storozhova, Yo. M.; Storozhova, Z. M.; Nosinov, V. P.; Kasalevskaya, V. K.; Serafimova,
A. N.; Biralo, T. I.; Vasilenko, L. M.

ORG: Central Scientific Research Disinfection Institute, Moscow (Tsentral'nyy nauchno-
issledovatel'skiy dozinfektsionnyy institut); Kytishchi City Sanitary Epidemiological
Station, Kytishchi (Kytishchitskaya gorodskaya sanitarno-epidemiologicheskaya stantsiya);
Tashkent City Sanitary Epidemiological Station, Tashkent (Tashkentskaya gorod-
skaya sanitarno-epidemiologicheskaya stantsiya); Tashkent City Disinfection Station,
Tashkent (Tashkentskaya gorodskaya dozinfektsionnaya stantsiya); Minsk City Disinfec-
tion Station, Minsk (Minskaya gorodskaya dozinfektsionnaya stantsiya); Brest City
Sanitary Epidemiological Station, Brest (Brestskaya gorodskaya sanitarno-epidemiolo-
gicheskaya stantsiya); Brest Oblast Sanitary Epidemiological Station (Brestskaya
oblastnaya sanitarno-epidemiologicheskaya stantsiya)

TITLE: Sensitivity of the house fly population to chlorophos, trichloromethylphospho-3,
DDT, hexachlorocyclohexane, and polychloropinene after many years of application of
these insecticides

SOURCE: Zhurnal mikrobiologii, epidemiologii i imunobiologii, no. 8, 1965, 7-14

TOPIC TAGS: entomology, insecticide, organic phosphorus compound, chlorinated
organic compound

Cord 1/3

REC: 014.57:015.777/772/L576.895.772.095.18

L 23405-66

ACC NR: AP6014013

ABSTRACT: The sensitivity of flies to insecticides was studied in a number of cities. Tests were carried out on female flies by applying an acetone solution of the insecticide to the back and determining the LD₅₀. At Minsk and Brest, where sprinkling of walls with a 2-3% aqueous solution of chlorophos was applied for 7 and 6 years, respectively, increased tolerance of flies to this insecticide was observed. At Mytishchi, where chlorophos baits were used, particularly in the form of mixtures containing ammonium carbonate, the sensitivity of flies to this insecticide remained uniminished. No increase in the tolerance of southern house flies (*Musca domestica vicina* Kacg.) to chlorophos after application of this insecticide in Tashkent for 4-5 years was observed. Use of trichlorometaphos as a larvicide reduced the sensitivity of flies to this insecticide to a small extent in Mytishchi, Minsk, and Brest, but not to a degree which could be regarded as an increase in tolerance (defined as a decrease of sensitivity by a factor of 2-4). The sensitivity of flies to trichlorophos was unaffected after use of this insecticide in Tashkent. Flies at Minsk and Brest which had developed a tolerance to chlorophos also showed an increased resistance to DDT and hexachlorocyclohexane (this increase in resistance also developed to a minor extent at Mytishchi). However, the increase in the resistance to hexachlorocyclohexane was presumably not related to the use of organophosphorus compounds, but due to the application of polychloropipene in these localities. Existence of a relation between increased resistance to DDT and tolerance to chlorophos was more likely. Southern flies in Tashkent, which retained sensitivity to chlorophos to the full extent, did not exhibit an increase in the resistance to DDT. After a

Card 2/3.

L 23405-66
ACC NR: AP6014013

6 to 7 year discontinuance of the use of chlorinated hydrocarbons in Tashkent, a moderate tolerance to DDT that was on the initial level remained. While the resistance to hexachlorocyclohexane decreased by a factor of three. The most expedient methods for the extermination of flies are used of chlorophos - ammonium carbonate baits to exterminate imago and application of larvicides, specifically those containing trichloromethaphos - 3 in optimum doses, so that development of tolerance will be prevented. Orig. art. has: 4 figures and 2 tables.
JPRS

SUB CODE: 06, 07 / SUBM DATE: 24Sep65 / ORIG REF: 004 / OTH REF: 004

Card 3/3-1c

NIKITIN, Petr Ivanovich, kand. geol.-miner. nauk; GVNATANOV, Suren Tomasovich; AMBARTSUMOVA, Aida Tatevosovna; SABICH, El'vira Sergeyevna; GOL'DINA, Lilya Iosifovna; LUKINA, Aleksandra Grigor'yevna; STANKOVICH, Yu.V., red.; BAGIROVA, S., tekhn.red.

[Development of a multilayered pool of the Balakhnay series in the Peschanyy-More oil field] Razrabotka mnogoplastovoi zaleshi balakhanskoi svity neftianogo mestorozhdeniya Peschaniy-moro. Baku, Azerneshr, 1968. 51 p. (MIRA 17:4)

GOL'DINA; L. L.

621.314.65 : 621.3.013

40-19. Operation of a three-phase rectifier bridge circuit on the back-e.m.f. L. L. GOL'DINA. Elektricheskoe i radioelektronika, 1954, No. 4, 53-57.

The well-known formulae for determining the inverse voltage in a 3-ph. bridge circuit in operation on a back-e.m.f. cannot be applied in cases in which the e.m.f. is so large that it may interrupt for some time the passage of the direct currents through the circuit. This happens, for example, in relay-operated forced excitation in compounding and electromechanical voltage corrector circuits of synchronous generators. An approximate formula suitable for calculating the inverse voltage in a Larkonov circuit under various operating conditions is presented and the maximum error it introduces is estimated. A. R. KRAIN

GOL'DINA, L. I.

541-55-782 44-1
GROUP VOLTAGE REGULATION OF GENERAL TYPES
AUTOMATICALLY STABILIZERS OF ELECTRIC POWER
GENERATORS AND TRANSFORMERS IN RUSSIA

By L. I. GOL'DINA, Doctor of Technical Sciences, Professor

Translated by A. S. KARAEV

Edited by V. V. KARAEV

Description given in the book is concerned for voltage regulation of power systems consisting of five thermal units which have been connected to each other by internal switches and processes of heating are being used in thermal power stations. The first type which is the most common is the control of voltage regulator settings of the individual generators, relating on equal share reactive power charge of units. The second type (electrodynamic type) provides for the frequency-dependent correction in the setting from a comparison of reactive power with the system average; the third type works without comparing and requires no generator constant in relation to the system's average reactive power with moving parts. Circuit diagrams and graphs illustrating the performance are shown.

T. Belyakov

07/05

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515710003-9

WAKHUMA, LA.

... 1. Marmato River and additional exchange of water is
agreed upon between Govt. of Colombia, Geog. Observ. Cauca no. 2, P. 83
(M.A. 1970)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515710003-9"

EWT(m)/BDS/ES(b)--AFFTC/ASD--RM/K
L 10778-63

ACCESSION NR: AP3003936

S/0205/63/003/004/0582/0586

59

58

AUTHOR: Skavronskaya, A. G.; Fradkin, G. Ye.; Borisova, N. B.; Zemchuk, L. A.; Gol'dina, L. P.

TITLE: Influence of the intensity of synthesis of nucleic acids and albumin on the lethal and mutagenic effects of gamma radiation

SOURCE: Radiobiologiya, v. 3, no. 4, 1963, 582-586

TOPIC TAGS: gamma radiation, nucleic acid, albumin, mutagenesis, synthetic process intensity, radiation, DNA, RNA

ABSTRACT: The influence of the intensity of synthesis of nucleic acids and albumin on the lethal and mutagenic effects of gamma radiation was examined by reproducing the process of mutability and varying the intensity of the synthetic processes. In this way the role of individual cell components in determining and changing the hereditary traits of microorganisms was examined. Experiments were conducted with *E. coli* B cultures in a glucose salt "minimal" medium, using a Co⁶⁰ gamma-ray source. Levomycetin was used to vary the intensity of the synthetic processes in the cell. It was found that the lethal and mutagenic

Card 1/2

L 10778-63

ACCESSION NR: AP3003936

effects of radiation increase under the action of gamma rays against a background of an almost complete block of albumin synthesis and of retarded nucleic acid synthesis. Irradiation of the culture under conditions of retarded albumin synthesis and negligibly stimulated DNA and RNA synthesis leads to some lessening of these effects. The presence of a correlative relationship between the intensity of DNA and RNA synthesis, on the one hand, and mutagenic and lethal action of gamma irradiation, on the other, confirms the genetic role of nucleic acids and attests to the dynamic character of the functioning of the cellular genetic structures. Orig. art. has: 1 figure and 2 tables.

ASSOCIATION: Institut epidemiologii i mikrobiologii im. akad. N. F. Gamaleya
AMN SSSR, Moscow (Institute of Epidemiology and Microbiology, AMN SSSR)

SUBMITTED: 17Jul63

DATE ACQ: 15Aug63

ENCL: 00

SUB CODE: AM

NO REF Sov: 001

OTHER: 005

Card *mcs/W*
2/2

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515710003-9

GOLDETA, I. P.

Planned: 1976. Subject: S. T. M. (S. T. M. - 1976). Prod. ob-va 97
Actual: 1976. Subject: S. T. M. (S. T. M. - 1976).
(MIRA 18:8)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515710003-9"

TIMAKOV, V.D.; PROZOROVSKIY, S.V.; GOL'DINA, L.R.

Continuous cultivation of microorganisms. Zhur.mikrobiol., epid.
i immun. 32 no.10:5-11 0 '61. (MIA 14:10)

1. Iz Instituta epidemiologii i mikrobiologii im. Gamalei AMN SSSR.
(MICROBIOLOGY)

SKAVRONSKAYA, A.G.; FRADKIN, G.Ye.; BORISOVA, N.B.; ZAMCHUK, L.A.;
GOL'DINA, L.R.

Influence of the intensity of nucleic acid and protein
synthesis on lethal and mutagenetic effects of γ -irradia-
tion. Radiobiologija 3 no.4:582-586 '63. (MIRA 17:2)

1. Institut epidemiologii i mikrobiologii im. akad. N.F.
Gamaleya AMN SSSR, Moskva.

SKAVRONSKAYA, A.G.; BORISOVA, N.B.; TROFIMOV, V.P.

Effect of levomycetin on the intensity of protein and nucleic acid synthesis in Escherichia coli B. Zhur. mikrobiol. epid i immun. 40 no.5:138-143 My '63

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

ACC NR: AR6035401

SOURCE CODE: UR/0372/66/000/009/C024/C024

AUTHOR: Gol'dina, M. B.; Toroptsov, V. S.

TITLE: Calculation of the reliability of direct-action regulators

SOURCE: Ref. zh. Kibernetika, Abs. 9G156

REF. SOURCE: Sb. Avtomatiz. khim. i neftekhim. proiz-v. Vyp. 3. M., 1965, 69-80

TOPIC TAGS: automatic regulation, reliability, probability, circuit failure, circuit reliability

ABSTRACT: Procedures are developed for the calculation of the reliability of a direct-action regulator. In the calculation the following characteristics of reliability are observed: a) probability of absence of failure of the "open circuit" type, b) probability of the absence of failure of the type "short circuit," c) the efficiency of the functioning of the regulator, which is defined as the mathematical expectation of its output effect, i.e., the probability of fulfilling the task for all possible states of the regulator. 2 illustrations. V. L. [Translation of abstract]

SUB CODE: 1409, 13

Card 1/1

UDC: 62-507.019.3

VORONIN, Yu. I.; et al. .

Extraction for the establishment of principles for the mining
geological generalization of emplacement. Geol. i geofiz.
no.10:10-112. '61. (MIRA 18:4)

1. Institut geologicheskogo i mineralogicheskogo issledovaniya MG SSSR,
Moskva. 1961.

VORONIN, Yu.A.; GOL'DINA, N.A.

Simplified scheme for the mathematical and logical analysis of
geological classifications. Geol. i geofiz. no. 9; 95-99 '64.
(MIRA 18:7)
I. Institut geologii i geofiziki Sibirskego otdeleniya AN SSSR,
Novosibirsk.

VORONIN, Yu.A.; GOL'DINA, N.A.

An example of the joint simplified mathematical analysis of geological classifications, Geol. i geofiz. no.2:83-91 '65. (VIZRA 18:c)

i. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,
Novosibirsk.

GOL'DINA N.P.

TSYGANOVA, N.Ya. (Vyazniki, Vladimirskaya obl.); GOL'DINA, N.P. (Vyazniki,
Vladimirskaya obl.).

From the teaching experience of A.V.Kolesova. Mat. v shkole no.5:
64-70 S-0 '54, (MLRA 7:11)
(Mathematics--Study and teaching) (Kolesova, Anna Vasil'evna, 1887-)

GOLDINA, N.P.

✓ Golovin, O. N. and Gol'dina, N. P. Subgroups of free metabelian groups. Mat. Sb. (N.S.) 87(99) (1975), 313-336. (Russian)

The authors consider a free metabelian group F_α , the metabelian product of a collection of α copies of the group of integers. [For definition of this product, the free product reduced by an appropriate subgroup of commutators, see: Golovin, Mat. Sb. N.S. 28(70) (1951), 431-444 =Amer. Math. Soc. Transl. (2) 2 (1956), 89-113 MR 15, 105]. Such groups are universal for class-2 groups in that the latter are precisely the subgroups and the homomorphic images of the former. A class-2 group with a finite number of generators is a free metabelian group if and only if its derivative is a free abelian group of finite rank. A subgroup B of F_α is the product of a free metabelian group B_α of rank $\alpha \leq e$ and of a free abelian group D of suitably restricted rank where the derivative of B_α is included in D and where the center of B includes D . Conversely, if B is a group with such a factorization $B=B_\alpha D$, then any free metabelian group F_α with suitably large e includes a subgroup isomorphic to B . If α is non-finite and sufficiently large, if C is an arbitrary free metabelian group and if D is an arbitrary free abelian group, then F_α includes an isomorphic image of the direct product of C and D .

F. Reino (St. Louis, Mo.)

GOL'DINA, N.P.

Free nilpotent groups. Dokl. AN SSSR 111 no.3:523-530
N '56.

(MLRA 10:2)

1. Moskovskiy gosudarstvennyy pedagogicheskiy institut imeni
V.I. Lenina. Predstavлено akademikom A.N. Kolmogorovym.
(Groups, Theory of)

AUTHOR: Gol'dina, L.I. SOV/42-13-3-6/4:

TITLE: The Solution of Some Algorithmic Problems for Free and Free Nilpotent Groups (Resheniye nekotorykh algoritmicheskikh problem dlya svobodnykh i svobodnykh nil'potentnykh grupp)

PERIODICAL: Uspekhi Matematicheskikh Nauk, Vol 13, Nr 3, pp 193-198 (USSR) 1958

ABSTRACT: The author develops a simple algorithm. With the aid of this algorithm it is possible to come to know for every element g of a free group F given by three generators whether this element belongs to the n -th term ${}^n F$ of the lower central series or not. For a free n -step nilpotent group this algorithm solves the problem of identity. For a free metabelian group, with the aid of the algorithm one obtains the necessary and sufficient conditions that two elements g and g' are conjugate. The author uses only the general properties of the commutators and the nilpotence of the group. Therefore the described process can be realized in every nilpotent group and every nilpotent ring; mod ${}^n F$ it can be realized even in every group and every associative ring. There are 10 references, 4 of which are Soviet, 1 Swiss, 2 German, 1 English and 2 American.

Card 1/2

GOL'DINA, N.P.

Subgroups of metabelian products of cyclic groups of the p-order.
Izv. vys. ucheb. zav.; mat. no. 3:118-126 '60. (MIR 13:12)

1. Moskovskiy zaochnyy pedagogicheskiy institut.
(Groups, Theory of)

GOL'DINA, O. M.

"Resorptive Function of the Pleura," Probl. Tuber., No.5, 1949

Clinic Pulmonary Tuberculosis, Yalta Inst., Climatotherapy of Tuberculosis

GOLDINA, S. M.

"The Course of Pneumonitis on the Southern Coast of the Crimea and Clinical Methods of Using Suction to Remove the Exudates by Intrapleural Application of Mechylene Blue." SoviMedSci, Central Inst for the Advanced Training of Physicians, Min Health USSR, Moscow, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 55., 24 Jun 55

DYNKEVICH, E.S.; GOL'DINA, R.M.

Organization of medical care for children in day nurseries and kindergartens of collective farms in Gorkiy Province. Vop. okh.mat. i det. 4 no.6:60-63 N-D. '59. (MIRA 13:⁴)

1. Iz Gor'kovskogo pediatricheskogo nauchno-issledovatel'skogo instituta ministerstva zdravookhraneniya RSFSR (direktor N.P. Zhukova, nauchnyy rukovoditel' - prof. A.G. Tseytlin).
(GORKIY PROVINCE--CHILDREN--INSTITUTIONAL CARE)

C 4.

Copper, manganese, and iron in kok saghyr plants
S. M. Mashatkov and S. M. Gol'dinov. *Dokl. Akad. Nauk SSSR* 73, 1977 (soil 1980).
Distribution of CuSO₄ or pyrites into the soil up to 100 kg CuSO₄ per hectare did not repress growth nor did it improve the yield. The plant content of Cu and Fe is almost unaffected by such addition. However, the level of Mn rises to 25% of normal, mostly in H₂O-sol form, while most of Cu is in H₂O-sol state in the plant. Fe is rather tightly bound and only traces are H₂O-sol. The rubber is almost free of the micro-elements, while they are largely found in the fluid portion of the latex juice. Rubber prepd. from the roots in a ball mill contains 50 times as much Fe as Cu, and Mn is intermediate (about 0.0001%). The Cu level in the rubber may be decreased or eliminated by more careful removal of all vegetable tissues from the latex. G. M. K.

GOL'DINE, S. M.

USSR/Biology - Plant Physiology

Card : 1/1

Authors : Mashtakov, S. M., Gol'dine, S. M., and Prokudina, R. I.

Title : Increase in the strength of cereal grain stalks by the use
of 2, 4-dichlorophenoxyacetic acid

Periodical : Dokl. AN SSSR, 96, Ed. 4, 845 - 848, June 1954

Abstract : Experiments with oats showed, that spraying of plants, during complete growth of the sprouts, with w, 4-DU (Dichlorophenoxyacetic acid) in 2 kg dosages per hectare of land, leads to a reduction in grain yield. Nine references. Table.

Institution : Acad. of Sc. Byeloruss-SSR, Inst. of Melioration Water and Swamp Control

Presented by: Academician A. L. Kursanov, April 1, 1954

GOLDINA, S.M.

USSR/Agriculture - Melioration

Card 1/1 : Pub. 22 - 37/44

Authors : Mashtakov, S. M.; Kulakovskaya, T. N.; and Gol'dina, S. M.

Title : Activity of ferments and breathing intensity as indicators of biological activity of the soil

Periodical : Dok. AN SSSR 98/1, 141-144, Sep 1, 1954

Abstract : Report is made on the biological activity of the soil as determined by the breathing intensity of the latter and the activity of ferments applied to the soil. Tables, showing the number of micro-organisms, ferment activity and breathing intensity of peat and mineral soils, are included. Eight USSR references (1937-1953).

Institution : Acad. of Sc. Byeloruss-SSR, Institute of Melioration

Presented by : Academician A. L. Kursanov, June 4, 1954

Card No. 5710003-9

USSR/Biology - Plant physiology

Card 1/1 Pub. 22 - 45/45

Authors : Mashtakov, S. M.; Kulakovskaya, T. N.; and Gol'dina, S. M.

Title : About rubber bearing properties of wild growing Kok-Saghis plants

Periodical : Dok. AN SSSR 103/2, 341-344, Jul 11, 1955

Abstract : Scientific data are presented on the rubber bearing properties of wild growing Kok-Saghis plants. Four USSR references (1936-1951). Tables.

Institution :

Presented : Academicia A. L. Kursanov, May 20, 1955

UNCR/Cultivated Plants - Fodders.

M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53671

Author : Mushtakov, S.M., Gol'dina, S.M.

Inst : AS Belorussian SSR

Title : The Effect of Azotobacterin and Molybdenum on the
Uptake of Nutrients and on the Accumulation of Dry
Matter in Corn Grown on Peat-Bog Soil

Orig Pub : Kukuruza v BSSR. Minsk, AN BSSR, 1957, 204-225

Abstract : Experiments conducted in 1955 at the Minsk Bog Experimental Station on peat-bog soil showed that treatment of the corn seeds (Moldavskaya Ryadovaya) with azotobacterin increased the weight of a single plant from 136.61 g (control) to 166.45 g, and the 24-hour increment of the dry substance was increased from 1.77 to 2.53 g per single plant; the leaf surface area was increased from 3220 to

Card 1/2

- 66 -

17(1)

AUTHORS: Mashtakov, S. M., Gol'dina, S. M., Matrosov, B. F. SC7/20-124-1-66/69

TITLE: The Effect of Molybdenum Upon the Supply of Mineral Nutrition Elements to the Plants and Upon the Development of Microflora Under Conditions of Peat Bog Soils (Vliyanie molibdema na postupleniye v rasteniya elementov mineral'nogo pitaniya i razvitiyu mikroflory v usloviyakh torfyano-boletnykh pochv)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 1, pp 231-235 (USSR)

ABSTRACT: The favorable influence of tracer elements upon the breeding of plants in peat bog soils has already several times been emphasized (Refs 1-4). In spite of the well-known important role of molybdenum in the life of higher plants (Refs 6-14) this effect has been little investigated. It was the aim of the authors to observe the changes of soil microflora in the case of a molybdenum introduction into peat soils. In this connection they wanted to determine the amount of NPK-elements accumulated in the plants (mineral nutrition nitrogen, phosphorus, potassium). Barley (*Hordeum nudum = yachmen' golozernyy*) and maize of the type Moldavskaya ryadovaya were

Card 1/3

The Effect of Molybdenum Upon the Supply of Mineral SOV/20-124-1-66/69
Nutrition Elements to the Plants and Upon the Development of Microflora
Under Conditions of Peat Bog Soils

used for the experiments. The peat soil had pH 4.78 . It was fertilized with potassium phosphide. In addition to that the soil was sprayed with aqueous ammonium molybdate solution (5 and 10 mg per 1 kg absolutely dry soil). Tables 1, 2 show that molybdenum promotes the absorption of NPK-elements and the protein synthesis. This effect can be explained by an increased activity of the microflora within the range of root systems. It is a well-known fact that molybdenum stimulates the development of azotobacter in the soil (Refs 4-8). Thus the amount of assimilable nitrogen is increased. In the experiments carried out by the authors azotobacter had a favorable influence upon other physiological groups of soil microorganisms (Table 3). It was furthermore proved that as a result of the intensified development of azotobacter in the "rhizosphere" of maize the leaf of the latter grew considerably bigger. Thus the

Card 2/3

The Effect of Molybdenum Upon the Supply of Mineral Nutrition Elements to the Plants and Upon the Development of Microflora Under Conditions of Peat Bog Soils

amount of carbohydrates formed by photosynthesis is increased and therefore also the crop (Table 4). Microorganisms were determined by F. P. Vavulo and Z. I. Konashevich. There are 4 tables and 18 references, 16 of which are Soviet.

ASSOCIATION: Institut biologii Akademii nauk BSSR (Institute of Biology, Academy of Sciences, Belarusian SSR)

PRESENTED: September 2, 1958, by A. L. Kursanov, Academician

SUBMITTED: September 1, 1958

Card 3/3

RECD 1000, TS. A.

4/19/86

TESSR/Chemistry - Sulfur Dioxide
Chemistry - Air Purification

Jan 49

"Rapid Colorimetric Determination of Sulfur Dioxide
in Air," M. V. Alekseyeva, Ts. A. Goldina, Moscow
Inst for Worker's Protection, 2 pp

Zavod Lab No 1, pp. 110 - 11

Several methods use highly sensitive reaction caused
by sulfur dioxide and iodine. These methods, how-
ever, are worthless under conditions where air con-
tains substances other than sulfur dioxide. New
method involves creation of a violet coloration
caused by reaction of sulfur dioxide and some

60/49718

TESSR/Chemistry - Sulfur Dioxide (Contd) Jan 49
fuchsin-formaldehyde agent. Method permits de-
termination of hundredths of a percent SO₂ in air.

60/49718

SA (SECRET//AMER, FOIA, 4)

Colorimetric determination of small quantities of diisogenic
phenols. D. N. Vaskovich and I. A. Goldina. *Zhur
Priklad. Khim.* (J. Applied Chem.) **24**, 1214-16 (1951).
Hydroquinone (I), resorcinol (II), and catechol (III) can be
readily detected by treatment with an NH₄OH soln. of
Cu(OAc)₂, followed by colorimetry of the resulting substances. I
gives yellow pink color, turning yellow brown in 1 min.;
III gives a pale yellow color, while II gives a bright yellow
color which develops only slowly (max. in 15-17 hrs.). A
standard, known solv. are run simultaneously. Usefully
0.05-0.08 mg. of each can be detected with accuracy.

G. M. Kozolosoff

1152

GOALS, IS. A. PRIORITIES AND PROSPECTIVE OUTLOOK

2

5064. FLOURESCENT METHOD FOR DETERMINATION OF OIL. ALEXANDRA
HIV and Goldina, T. A. (Lavodskaya Lab. (Factory Lab.),
1950, vol. 16, 35-36; abstr., in chem. abstr., 1950, vol.
44, 6608). The fog samples in air pipettes are allowed
to settle out, then are taken up in $(CH_2Cl)_2$ and the
solution is examined in ultraviolet light against solutions
of known concentrations of the oil. Samples containing
0.005-0.05 mg oil are analysed within 0.005 hr.
Ch

TRIGONOMETRIC SURVEY - 1/4 MILE X 1/2 MILE

ALSO THE DETAILED LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515710003-9"

TOROPOV, S.A.; GOL'DINA, T.S.A.

Device for determining silicon dioxide by the thermal method.
Zav. lab. 22 no.9:1118-1120 '56. (MLRA 9:12)

1. Moskovskiy institut okhrany truda Vsesoyuznogo TSentral'nogo
soveta profesional'nykh soyuzov.
(Silica) (Thermal analysis)

RUBANOVSKIY, B. R., kand. med. nauk; GOL'DINA, TS. M.

Two cases of sarcoleucosis. Vrach. delo no.6:148-150 Je 192.

1. Gospital'naya terapeuticheskaya klinika (zav. - prof. A. S. Voronov) Donetskogo meditsinskogo instituta na base oblastnoy tsentral'noy klinicheskoy bol'nitsy.

(LEUKEMIA)

BELIKOV, Yu.Ye., YALIBEYIEVA, A.V.; GOL'DINA, V.G.

Alloplasty of the thoracic segment of the esophagus under experimental conditions. Eksper.khir. i anest. no.2:22-27'63.

(MLA 16:7)

I. Iz otdeleniya khirurgii pishchev da (zav.-prof. Yu.Ye.BERIKOV) Instituta grudnoy kirurgii (dir.-prof. S.A.Kolesnikov) AMN SSSR i patologo-morfologicheskoy laboratorii (zav.-kand.med.nauk V.G. Gol'dina) Nauchno-issledovatel'skogo instituta eksperimental'noy khirurgicheskoy apparatury i instrumentov (dir.-detseont T.G. Anan'yev).

(ESOPHAGUS--CANCER) (SURGERY, PLASTIC)

GOLDINA, V.N.; IVASHKIN, A.M.; KIRCHAKOVA, T.L.; USPENSKIY, A.E., prof.,
red.; KHROMCHENKO, F.I., red. izd-va; SUTGUROV, V.S., tekhn.red.

[Problems of elementary mathematics essential for the study of
geodesy] Voprosy elementarnoi matematiki neobkhodimoi pri izuchenii
geodezii. Sost. V.N.Goldina, A.M.Ivashkin, T.L.Kirchakova.
Pod red. A.K.Uspenskogo. Moskva, Izd-vo geodes. lit-ry, 1962.
89 p.
(MIRA 15:12)

1. Moscow. Institut inzhenerov zemleustroystva. Kafedra vysshey
matematiki.

(Mathematics)

GOL'DINA, V.N., professor

Atelectasis in the clinical treatment of pneumonia in children.
Report no.2. Pediatria 39 no.1:24-31 Ja-F '56. (MLRA 10:1)

1. Iz kafedry propedevtiki detskikh bolezney (zav. - prof. B.N.
Gol'dina) Voronezhskogo meditsinskogo instituta.
(PNEUMONIA, compl.
atelectasis, in child.)
(ATELECTASIS, etiol. and pathogen.
pneumonia, in child.)

GOL'DINA, V.N., professor

Nondysenteric colitis in small children. Vop. oft. mat. i det.
2 no.2:70-72 Mr-Ap '57 (MLRA 10:4)

1. Iz kafedry detskikh infektsionnykh bolezney (zav.-prof. V.N.
Gol'dina) Voronezhskogo meditsinskogo instituta.
(COLITIS)

GOL'dint, V.N., prof.

Time for discharging young children recovering from acute dysentery.
Von.ohh.mat. i det. 3 no.3:12-15 My-Je '58. (MIRA 11:5)

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Voronezhskogo meditsinskogo instituta (dir.-prof. N.I. Odnorazov).
(DYSENTERY)

GOL'DINA, V.N.

Secondary toxicoses following dysentery in young children. Vop.
okh. mat. i det. 5 no. 2:14-18 Mr-Apr '60. (MIRA 13:10)

1. Iz kafedry detskikh infektsionnykh bolezney (naуч. - prof.
V.N. Gol'dina) Voronezhskogo meditsinskogo instituta.
(DYSENTERY)

GOLDINA, V.V.

Late results of antibiotic therapy in chronic cholecystoangio-cholitis. Vrach.delo supplement '57:20
(MIRA 11:3)

1. Otdel funktsional'noy patologii(zav.-dots. E.N.Xrister)
Ukrainskogo instituta klinicheskoy meditsiny im. akad. N.D.
Strazhesko.
(BILIARY TRACT--DISEASES) (ANTIBIOTICS)

KRISTER, E.E., dotsent; BELYAYEVA, O.N.; GOLDINA, V.V.; GURSKAYA, T.K.;
LESHCHENKO, A.I. (Kiyev)

Coronary insufficiency in people engaged in mental work. Klin.med.
(MIRA 15:9)
no.12:3-6 '61.

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Krister) Ukrainskogo nauchno-issledovatel'skogo instituta klini-
cheskoy meditsiny imeni akad. N.D. Strazhesko (dir. - zаслуженный
дөятел' науки проф. А.Л. Михнев).

(CORONARY HEART DISEASE)

GOL'DINA, Y.L. (Yalta)

Remarks on the article by N.P.Sokolov on "Determining the
volume of erythrocytes in the Panchenkova apparatus." Klin.
med. 33 no.7:92 Jl '55. (MLRA 8:12)
(ERYTHROCYTES) (SOKOLOV, N.P.)

ANDREYEV, K.K., prof., red.; BELYAYEV, A.F., prof., red.; GOL'DINBERG,
A.I., prof., red.; GORST, A.G., prof., red.; YAKIMOV, S.Ya.,
Inzh., red.; STEPANOVA, A.A., red. izd-va; NOVIK, A.Ya.,
tekhn. red.

[Theory of explosives] Teoriia vzryvchatykh veshchestv; sbornik
statei. Moskva, Oborongiz, 1963. 578 p. (MIRA 16:4)
(Explosives)

SOFINSKIY, I.D.; BLOKHIN, P.N.; GEL'BERG, L.A.; ZHDANOV, P.M.; IVASHCHENKO, I.P.; LEVINA, G.P.; NAUMOVA, N.A.; SMIHNOV, M.S.; ARONOVA, R.I.; NIKOLATEV, N.A.; SHERENTSI, A.A.; KOVALEVSKIY, I.I.; LOBACHEV, P.V.; SLADKOV, S.P.; DZIGAN, A.V.; FORAFONOV, N.K. Prinimali uchastiye: ARGANSKIY, A.S.; ASMUS, Ye.N.; BEZHALOVA, Ye.M.; BOGATYKH, Ya.D.; BURENIN, V.A.; GOL'DING, N.P.; DOMSHLAK, I.P.; MOSKALEV, S.A.; RABINOVICH, S.G.; ROGOVSKIY, L.V.; KHOKHLOVA, L.P.; SHESTOPAL, N.M.. RUBANENKO, B.R., glavnnyy red.; GALKIN, Ya.G., zamest.glavnogo red.; SAPRYKIN, V.A., red.; SHCHEPETOV, V.M., red.; NOVITCHENKO, K.M., nauchnyy red.; VILKOV, G.N., inzh., red.izd-va; TYAPKIN, B.G., red. izd-va; EL'KINA, E.M., tekhn.red.

[Building your own home] Spravochnik individual'nogo zastroishchika. Moskva, Gos.izd-vo lit-ry po stroit.materialeam, 1958. 442 p.

(MIRA 12:2)

1. Akademiya stroitel'stva i arkhitektury SSSR.
(Building)

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515710003-9

GOLDINGER, Rezso (Budapest)

A letter to the editor! Ujlt lap 12 no.4:31 25 F '60.

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CIA-RDP86-00513R000515710003-9"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515710003-9

CHERNOVA, V.S.; KUZ'MENKO, V.I.; GOL'DINOV, A.I.; KRUPCHINSKIY, A.A.;
KEPKO, P.N.

Design of a two-way pressure-type mechanical filter for the
purification of water in water-conditioning units in electric power
plants. Suggestion by V.S. Chernov and others. From energ.11
no.12:16-17 D '56. (MLRA 10:1)
(Feed-water purification) (Filters and filtration)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515710003-9"

USSR/Analytical Chemistry - Analysis of Inorganic Substances
Abs Jour : Ref Zhur - Khimiya, No 4, 1957, 12051

G-2

Author : Gol'dinov A.L., Roginskaya B.C.
Title : Method for the Determination of Small Amounts of Calcium
in Brine

Orig Pub : Zavod. Laboratoriya, 1956, 22, No 7, 801-802

Abstract : The brine (100 ml) is passed through a column filled with cataphilite in the Na-form, at a rate of 2.5 ml/minute. The column is washed with water, 50-60 ml, at a rate of 5 ml/minute, filtrate and washings are discarded. To elute the Ca, 30 ml HCl (1:9) are passed through the column at a rate of 1.5-2 ml/minute, followed by 70 ml water at a rate of 5 ml/minute. Acid solution and washings are neutralized, to litmus, with caustic soda, 2 ml 2 N solution of NaOH are added, and titration is carried out with 0.01 N solution of Complexon III⁺, in the presence of murexide, until color of the solution changes from

Card 1/2

USSR/Analytical Chemistry - Analysis of Inorganic Substances

G-2

Nos Jour : Ref Zhur - Khimiya, No 4, 1951, 12051

crimson to violet. After each determination the cathionite is regenerated by passing through it 50 mL HCl (1:4), washing with water to a neutral reaction with methyl orange, and passing 40 mL of a 5% solution of MgOH through the column at a rate of 1 mL/minute. The outflow from the column must have an alkaline reaction. Thereafter the cathionite is washed with water to a neutral reaction.

Card 2/2

On the first day of the experiment, 100 ml. of HEP, 100 ml. of ammonia, and 100 ml. of water were added to the apparatus. The apparatus was then evacuated and sealed. After 24 hours, the apparatus was opened and the contents were analyzed. The results showed that the concentration of ammonia had increased to approximately 10% by weight. This indicated that the reaction had proceeded as expected.

Card 3/4
Determination of Fluorine Content : Hydrofluoric acid

If methyl- and ethyl- cobalt chlorides with a content up to 2% of fluorine can be separated with an accuracy of $\pm 0.5\%$, with lower chlorine content, from 0.5% increase in the error of the determination of 0.01-0.04 g fluorine in the sample to 0.8%. In order to investigate the influence of reagent (3), some of the samples were光光度metrically analyzed not before 24 hours after the mixing. The results, however, do not exhibit any variation. The values of strong acids (SO₄²⁻, NO₃⁻, Cl⁻) in precipitating the cobalt-fluorine complexes increase the relative error of the determination up to 1%. With a relatively increased amount of the reagent mentioned the errors increased up to 4%. The analysis of such acids interfere with the determination, as well as the conditions that the pH value of the solution is kept constant as well applicable for the determination of fluorine in the fluorides of cobalt, manganese and aluminum. The results of these determinations will be given in the paper. The method of these determinations for the determination of fluorine, 1-10 mg, will be given, 1 of which

Card 3/4

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515710003-9

GOLDINOV, A. L.; LUKHOVITSKIY, V. I.; MALIKOVA, G. Ya.

Determination ~~of water~~ Zhur.anal.khim. 16 no.6:724-728 K-D '61.
(NIRA 14:12)
(Water--Composition)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515710003-9"

G
POL'DINOV, A.L.; ZVEREV, B.P.; IZRAILEVA, S.B.; LUKOVITSKIY, V.I.;
SHABALIN, A.A.

Purification of mercury-containing waste waters. Khim.prom.
no.9:610-612 Ag '62. (MIRA 15:9)
(Sewage--Furification)
(Mercury)

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515710003-9

GOL'DINOV, A.L.; LUKHOVITSKIY, V.I.; SRUBINSKAYA, G.Z.

Determination of water with the use of calcium hydride. Zhur.-
anal.khim. 17 no.4:532-534 Jl '62. (MIRA 15:8)
(Water) (Calcium hydride)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515710003-9"